



IBM MQ V9 Application Development (Windows Labs)
Information

Length:	24.0 Hours
Ref:	WM513G
Delivery method:	ClassroomInstructor Led Online
Price:	AUD

Overview

This course is also available as self-paced virtual (e-learning) course *IBM MQ V9 Application Development (Windows Labs)* (ZM513G). This option does not require any travel.

This course helps you develop the skills that are necessary to implement various application requirements on IBM MQ versions up to and including IBM MQ V9.0.2. It focuses on procedural application development for IBM MQ.

The course begins by describing IBM MQ and the effect of design and development choices in the IBM MQ environment. It then covers IBM MQ application programming topics such as methods of putting and getting messages, identifying code that creates queue manager affinities, working with transactions, and uses of the publish/subscribe messaging style.

Finally, the course describes the IBM MQ Light interface, introduces Advanced Message Queuing Protocol (AMQP), and explains how to set up an AMQP channel and how to interface with IBM MQ Light.

Hands-on exercises throughout the course reinforce the lecture material and give you experience with IBM MQ clients.

For information about other related courses, see the IBM Training website:

ibm.com/training

Public

This course is designed for application developers and architects who are responsible for the development and design of IBM MQ applications.

Prerequisites

- Successful completion of *Technical Introduction to IBM MQ* (WM103G), or comparable experience with IBM MQ

- Experience in business application design
- Experience in C language development

Topics

Course introduction

IBM MQ overview

Exercise: Working with IBM MQ to find your message

Basic design and development concepts

Exercise: Getting started with IBM MQ development

MQOPEN, queue name resolution, and MQPUT

Exercise: Working with MQOPEN and queue name resolution, MQPUT, and MQMD fields

Getting messages and retrieval considerations

Exercise: Correlating requests to replies

Data conversion

Bind and Message groups

Committing and backing out units of work

Exercise: Commit and back out review

Asynchronous messaging

Exercise: Asynchronous messaging review

IBM MQ clients

Exercise: Working with an IBM MQ client

Introduction to publish/subscribe

Exercise: Working with publish/subscribe basics

Advanced Message Queuing Protocol (AMQP) and IBM MQ Light

Exercise: Connecting IBM MQ Light applications to IBM MQ applications

Course summary